

Manual Supplement

Manual Title: 5649 Type R and 5650 Type S Users Guide Supp Issue: 2

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This supplement contains information necessary to ensure the accuracy of the above manual.

Change #1, 497

On page 22, C2 change the second column:

From: $6.548\ 051\ 928\ 18 \times 10^{-5}$

To: $6.548\ 051\ 928\ 18 \times 10^{-6}$

Change #2, 546

On page 11, Table 2, change:

From:

1000	0.55	0.042	0.048	2.00	0.15	0.17	5.0	0.38	0.43
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To:

1000	0.55	0.042	0.048	2.00	0.25	0.17	5.0	0.38	0.43
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On page 8, section **2.4 Calibration**, replace the paragraph with:

Each thermocouple is calibrated by fixed point. The expanded ($k=2$) calibration uncertainty is 0.12 °C to 0.37 °C from 232 °C to 962 °C for fixed-point calibration, and increases linearly from 0.37 °C at 962 °C to 2.5 °C at 1450°C for extrapolated values.

On Page 9, section **3.1 Specifications**, replace **Accuracy (uncalibrated, special tolerance)** with:

Calibration Uncertainty ($k=2$, 95%):

232 °C to 962 °C 0.12 °C to 0.37 °C

>962 °C to 1450 °C (extrapolated): 0.37 °C to 2.5 °C, increasing linearly

In the same table, remove the footnote:

†Wire is tested and proven to meet or exceed the special tolerances requirement as stated in ASTM E-230-03.